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**From:** Don.Essig@deq.idaho.gov [Don.Essig@deq.idaho.gov]  
**Sent:** 3/24/2015 10:57:37 PM  
**To:** cmebane@usgs.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=04f293883a7944b7a9f1cb2c7e4860a2-cmebane@usgs.gov]; Macchio, Lisa [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e7a9f87246cd422d9bdace2cdf1abbef-Macchio, Lisa]  
**CC:** russ\_holder@fws.gov; Shephard, Burt [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2be3140cce040ffabea8dd417b21e08-Shephard, Burt]; Lehmann, Wade [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e5dd685dec4643478e64efb18c1b1429-Lehmann, Wade]; Erickson, Russell [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3086aa44529c4bf8afae3f7aaad7dee9-Erickson, Russell]; jeffrey.fromm@deq.idaho.gov [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=924d83dec7144a62ba0f9e67ed834ae5-jeffrey.fromm@deq.idaho.gov]  
**Subject:** RE: CONFIRMED - USFWS Webinar on Idaho Toxics BiOp

Since the 10 ug/l As is a human health criterion we would be looking at a harmonic mean value as compliance with our criterion.

We do have data bearing on the fraction of As in Idaho's waters that is inorganic versus organic. More to the point perhaps is that, like mercury, most of the As incorporated in fish/aquatic tissue is organic.

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**From:** Christopher Mebane [mailto:cmebane@usgs.gov]  
**Sent:** Tuesday, March 24, 2015 4:10 PM  
**To:** Macchio, Lisa  
**Cc:** Don Essig; Russ Holder; Burt Shepard; Lehmann, Wade; Erickson, Russell  
**Subject:** RE: CONFIRMED - USFWS Webinar on Idaho Toxics BiOp

Lisa, instead of just a repeat of the last webinar, I'm planning on starting with a discussion around arsenic. We didn't discuss it much last call, the draft RPAs are more restrictive than that in the 2014 NMFS BiOp (end of pipe limits). We'd like a frank discussion on that, rather than risk a zinger slipping by reviewers.

The effects analyses argue that the 150 µg/L As criterion cannot be assumed protective because of effects to fish from dietary exposures occurring in situations where the with measured arsenic concentrations below 10 µg/L. The most stringent generally applicable criterion, is the 10 µg/L (inorganic only) "secondary contract recreation" standard that was human health related.

A discussion of any conservative factors that might relate to the 10 µg/L inorganic Arsenic standard might be useful. For instance, if the maximum annual limit is 10 µg/L, then the average values would be less. Can we say anything about how much less? Also, arsenic occurs in inorganic and organic forms, and the inorganic forms are more toxic. Can generalizations be drawn about what fraction of (toxic) inorganic and (less toxic) organic forms in the food of bull trout?

Following that, depending on the group preferences, we could circle back around to other items we discussed in the earlier call.

Talk to you tomorrow.

Chris

-----Original Appointment-----

**From:** Macchio, Lisa [<mailto:Macchio.Lisa@epa.gov>]

**Sent:** Tuesday, March 24, 2015 10:37

**To:** Gallagher, Kathryn; Lehmann, Wade; Fleisig, Erica; Fabiano, Claudia; Palmer, John; Weber, Courtney; Berol, David; Chung, Angela; Tritt, Maja; David Mabe; [cmebane@usgs.gov](mailto:cmebane@usgs.gov); Russ Holder; Clay Fletcher; [Don.Essig@deq.idaho.gov](mailto:Don.Essig@deq.idaho.gov); [jeffrey.fromm@deq.idaho.gov](mailto:jeffrey.fromm@deq.idaho.gov); Shephard, Burt; Poulsom, Susan; Stoddard, Jamey

**Cc:** Vincent, Angela; Bryon Holt; Wilkening, Matt; Eignor, Diana; Grafe, Cyndi; [Michael.Mcintyre@deq.idaho.gov](mailto:Michael.Mcintyre@deq.idaho.gov); Elias, Mike; Justice, JamesR; Cruz, Luis; Jarvis, Amanda

**Subject:** CONFIRMED - USFWS Webinar on Idaho Toxics BiOp

**When:** Wednesday, March 25, 2015 9:30-11:30 (UTC-08:00) Pacific Time (US & Canada).

**Where:** R10Sea-Room-19Columbia/R10-Rooms-Service-Center

NOTE THE NEW CONFERENCE CODE:

<div data-bbox="89 875 292 974" style="border: 1px dashed black; padding: 5px;">Ex. 6 Personal Privacy (PP)</div>	Conference Code:	<div data-bbox="558 888 686 974" style="border: 1px dashed black; padding: 5px;">Ex. 6 Personal Privacy (PP)</div>
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And now for another change/update. I've managed to get the Columbia conference room for folks here in Seattle.

So let's meet in the Columbia room for the webinar.

Here's the information for the webinar (note the call in number and make sure you can get into the webex beforehand:

Chris Mebane has invited you to join a meeting on the Web, using WebEx USGS

Topic: (19) USFWS webinar on Idaho Toxics BiOp

Date: Wednesday, March 25, 2015  
Time: 9:30 am, Pacific Daylight Time (San Francisco, GMT-07:00)  
Meeting number: 710 161 790  
Meeting password: (This meeting does not require a password.)

Please click the link below to see more information, or to join the meeting.

Although no login account is required to use Webex to attend a meeting, you will need to supply your name, email address, and a meeting password (if provided) to join the meeting.

When it is time to attend the meeting, please visit this link:  
<https://usgs.webex.com/usgs/j.php?MTID=m56435869a3c6fca3306b11485c354ac2>

Teleconference: Ex. 6 Personal Privacy (PP) Conference Code: Ex. 6 Personal Privacy (PP)

At start time of the conference, each location must call one of the dial-in numbers:

From all USDOJ locations, dial Ex. 6 Personal Privacy (PP)

From nonDOJ locations, may dial toll free Ex. 6 Personal Privacy (PP)

The toll free number is provided as a courtesy for use by attendees that are working offsite. This number is blocked at most DOJ locations, due to the fact that it is less expensive to dial over FTS. If you are unable to connect with the toll free number for any reason, please use Ex. 6 Personal Privacy (PP)

After the voice prompt, please enter the Conference Security Code: Ex. 6 Personal Privacy (PP)

followed by the # key. You will hear a tone confirming that you have successfully joined the conference call. If you weren't successful, you will hear another voice prompt with instructions.

If you are disconnected for any reason, please dial in again using the instructions listed above.

\*Please\* check and prepare your computer a day or two in advance of the meeting as follows:

1. Start your web browser
2. Visit <http://usgs.webex.com>
3. Select Setup / Meeting manager (left side of page)

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For Help with WebEx

- WebEx setup help: 1-866-229-3239
  - Info: <https://usgs.webex.com/>, click USGS Help (at left)
  - USGS account questions: [gs\\_help\\_webinar@usgs.gov](mailto:gs_help_webinar@usgs.gov)
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To contact Chris Mebane, call 1-208-387-1308 or send a message to this address: [cmebane@usgs.gov](mailto:cmebane@usgs.gov)